

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/112005/000076

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61B17/80 A61B17/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/083694 A1 (MILLER ARCHIBALD S) 1 May 2003 (2003-05-01) abstract; figures paragraph '0003! paragraph '0032! - paragraph '0050! claims 8,9 -----	1-3
A	abstract; figures paragraph '0032! - paragraph '0050! claims 8,9 -----	4-8
X	US 6 540 769 B1 (MILLER, III ARCHIBALD S) 1 April 2003 (2003-04-01) abstract; figures column 2, lines 34-39 column 3, lines 22-25 column 4, line 8 - column 6, line 67 -----	1,2
A	abstract; figures column 2, lines 34-39 column 3, lines 22-25 column 4, line 8 - column 6, line 67 -----	3-8
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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International Application No  
PCT/IT2005/000076

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/067795 A (SYNTHEZ ; SYNTHEZ AG CHUR) 6 September 2002 (2002-09-06) abstract; figures 15-18	1
A	figures page 2, line 20 – page 3, line 13 page 4, line 20 – page 10, line 18 -----	2-8
A	US 4 583 541 A (BARRY ET AL) 22 April 1986 (1986-04-22) cited in the application abstract; figures -----	1-8
A	RU 2 199 288 C1 (NOVOKUZNETSKIY GOSUDARSTVENNYJ INSTITUT USOVERSHEN) 27 February 2003 (2003-02-27) abstract; figures -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2003083694	A1	01-05-2003	US 6540769	B1	01-04-2003
			WO 03037201	A1	08-05-2003
			US 2004133206	A1	08-07-2004
US 6540769	B1	01-04-2003	WO 03037201	A1	08-05-2003
			US 2003083694	A1	01-05-2003
			US 2004133206	A1	08-07-2004
WO 02067795	A	06-09-2002	BR 0207532	A	09-03-2004
			CA 2439094	A1	06-09-2002
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			JP 2004523300	T	05-08-2004
			MX PA03007507	A	30-07-2004
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			WO 02067795	A1	06-09-2002
			US 2005124996	A1	09-06-2005
			US 2002143336	A1	03-10-2002
US 4583541	A	22-04-1986	NONE		
RU 2199288	C1	27-02-2003	NONE		

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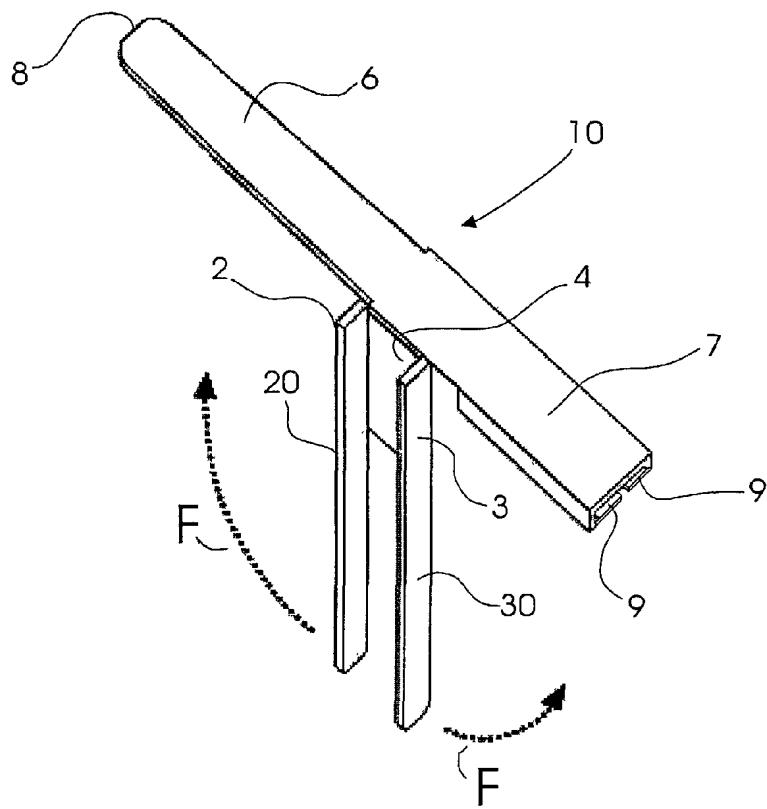
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[Continued on next page]

**(54) Title:** STERNUM REINFORCING DEVICE TO BE USED AFTER A STERNOTOMY OR A STERNAL FRACTURE



**(57) Abstract:** A sternum reinforcing device to be used after a sternotomy or a sternal fracture, made of a biocompatible material, comprises an elongated modular member (10) with a pair of legs (20, 30), that are joined each other by a body portion (4), and a pair of arms (6, 7). The legs (20, 30) can be fitted in an intercostal space of the thorax of a patient, laterally to the sternum, and can be bent in a mutually opposite direction, on the internal side of the thorax, after being fitted therein. The arms (6, 7), extending from one side to the other of the body portion (4) and orthogonally to the pair of legs (20, 30), constitute a male part and a female part, respectively, of a prismatic type coupling for consecutive modular members.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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